

ABSTRACT OF THE DISCLOSURE

In a magnetic resonance imaging method and apparatus and computer program product, spatial scanning of a block-shaped volume of a patient is undertaken by applying a phase-coding gradient in a slice selection direction, as well as by applying a frequency-coding gradient in a plane vertical to the direction of the phase-coding gradient. The body is uniformly and continuously moved by uniformly and continuously moving a table on which the body is situated until the block-shaped volume moves uniformly through the homogeneity volume of the magnetic resonance apparatus. The gradient fields are simultaneously uniformly continuously shifted in conformity with the motion of the table, so that the block-shaped volume being scanned does not move in relation to the table, and thus does not move in relation to the patient, until the block-shaped volume proceeds through the entirety of the homogeneity volume, and scanning is completed.

CH1\ 4082067.1